ID	PAIR	FORWARD	REVERSE	SEQ ID NOS:		LOCATION	SIZE
disc01	f2/r2	CATTAGCTGCTGCTAGATCTTCC	TAAGGCACAGAACATTCTGCCTG	44	45	exon9	353
disc02	f3/r3	TTATTCAATTGTGACTGCAGTTGC	CACCTGCTCTTTCACTGATGG	46	47	exon10	280
disc03	f1/r2	GGTATGATGAAACATCACTGAGTTC	CTAAGTCATCCATCTGCCTCTCATC	48	49	exon11	191
disc04/29	f1/r1	GAGCCTACAGCTCCAGGAAG	GAGCATGGTCCCAAAGCACC	50	51	exon11/11'	265
disc05	f2/r2	GAAGCTTCCCTTTGTGTTCTGTC	CGGCAGCATCTATTTGTTGCCATC	52	53	exon12	297
disc06	f1/r2	GCAGAGGGCCACGATCACC	CATCCCGTCACTCCTCAGGC	54	55	exon13	203
disc07	f1/r1	CATGACAGCTGGTGTCCACGAAG	CAAATCAGTCTCTCTCTCCATATTCC	56	57	exon13	242
disc08	f1/r1	CAGTGTGAAACTGAGGAGTCTGC	CGTGTAACAGGTATGATGACAGAGTC	58	59	exon13	296
disc09	f1/r1	CATTTGCCTTCTGCTGCAACG	CTTTCTTCAGATGCAATCATTGCCAC	60	61	exon13	299
disc10	f1/r1	CAACCTCCCAGTGATATGCCAC	CTGCCTTACTGAGCACTGCACTG	62	63	exon13	320
disc11	f2/r3	CAGTAACACAATACAGTACTCAGGC	CTGCACTGTGTTACTGAGCATTGC	64	65	exon13	292
disc12	f2/r1	CTCAGGCAGTGCAATACTCAGTG	ACTAGCTGCCCTGTGTTACTGAG	66	67	exon13	303
disc13	f1/r1	GTGTAGTGCTCAGTAGGACAGC	GTACTTGACCAGAGAGGGTACTC	68	69	exon13	297
disc14	f1/r2	CAAAGTGCACTGAGGAAGGTGG	GTGATGTAAATCAGAGTTTGGACTGG	70	71	exon13	311
disc15	f2/r3	CTCCTATTCATATCCCATAGATCTAG	CAGAAGTGCTGCACAGCATGG	72	73	exon13	335
disc16	f2/r2	CACTGGCGTTTCCAGAAGGCATC	CACTGGAATTAACTCAAGGATTCC	74	75	exon13	336
disc17	f2/r2	CATTTTCAATGATGAACCAAATTCCTG	GCAGCAGGGAAATGAACACACTATC	76	77	exon13	376
disc18	f2/r1	CTGCAAGTTAATAACTGCCTTGAATTG	CTGCTGTATAGTATGATTGAGGATAC	78	79	exon13	307
disc19	f2/r1	CAACCTTCTCAGGACAAGCCCAC	GTGACCATTTGAAAGCCAGCATTC	80	81	exon13	314
disc20	f1/r2	GTTAGAATCTGATTTGACTGGGATG	CTTGGGAGGCTGAGGCAGTAG	82	83	exon13	295
disc20	f2/r1	GCACATACTGGAAATGATGAGTTAG	ATGCCTGTAACCCCAGCTACTTG	84	85	exon13	334
disc21	f1/r2	CTCTACCTCCCAGGTTCAAGC	GGTACCAACCGTTACATGTTTCTGG	86	87	exon13	342
disc22	f2/r2	GCACCCGGCCAACTTTCTG	CTCTGACTGTTAGGTTCACTATTAC	88	89	exon13	306
disc23	f1/r1	CTAAGGCACAGAGCTGGTAAAATG	GATGATGGTGGGGTGAATAGG	90	91	exon13	292
disc25	f2/r2	AGCCTCACTGTGAAGTCTAGGC	CTATCATCCATACTTCAAAGGAC	92	93	exon13	403
disc26	f1/r1	CACTGCCTTCTGATTTTTAGCTG	GAGGACAAAACACGATGTGCTGG	94	95	exon8	240
disc27	f2/r2	CTCGCTGAGGAGAAGAAAGGAGC	GGCACGCCCTGACCTACGC	96	97	exon1	316
disc28	f2/r2	CTGTAGTGGTATTGAATTGTGGTTACC	CAGAAGCACTCTCTCCTGGCTC	98	99	exon7	287
disc30	f2/r1	GCCAATGCTGGAAAGGAAACAGC	TGCCAGCTCCTCCCGCTC	100	101	5'/promoter	168
disc31	f1/r1	CATCCCTCCATCTTCTCCATCAC	CACGCTGCTGGAGCGGGC	102	103	5'/promoter	207
disc32	f2/r2	GAGTCAGTTGCCTAGGAGCTTGC	GTGCAGGAAGCCTCCAGGATG	104	105	5'/promoter	279
disc33	f1/r2	CCTATCCCTGAACCATTGCAAGAG	CAGCAGCTCCGGGCTGGTTC	106	107	5'/promoter	300
disc34	f1/r2	CTGGGCCAGTAAGATCTGCATG	GAAACAGGGCTCCGGACCAAG	108	109	exon2	285
disc35	f1/r1	CCAGACAGTGTGGCCTTGACTC	GGCTGCAGCTGTTGCTACTCAAC	110	111	exon2	318
disc36	f1/r1	CTGCAGCGATGGAGCAAGGC	ACATCGCGGGTCCTCGTGAG	112	113	exon2	295
disc37	f1/r2	CAGAGAGGCTGAGTCCCATTG	GCACTGGCTCCCATTTCCTGAG	114	115	exon2	314
disc38	f1/r1	CCAGTTCTCTGGATCCCTCAC	GAGGAAGTCAGTTGAGCCCAGAAC	116	117	exon2	246
disc39	f2/r1	CAGTTTCTAAATGTTCTTAGTTTTCAC	GATGGAAAGAAAATTGGGACATGATGAC	118	119	exon3	215
disc40	f2/r1	GTTCACTACAACTGGAGCTAAGAG	CTATGTGGGAGCTGAGAGGTAGG	120	121	exon4	308
disc41	f1/r2	CATGAGGATTTCAGCTTCTGCATAC	GAGCTATGATTGCACCACTGCC	122	123	exon5	291
disc42	f2/r2	CGACCTGACCCCACTGGTG	GACTGCCCCACACCGTGAAG	124	125	exon6	300
disc43	f4/r2	GTTTGGTAGTTCTGGTGCATATGGC	GCATGGAAGGGAATCTGACC	126	127	exon6	327

FIGURE 4

ID	PAIR	FORWARD	REVERSE	SEQ ID NOS	LOCATION	SIZE
disc01	f2/r2	CATTAGCTGCTGCTAGATCTTCC	TAAGGCACAGAACATTCTGCCTG	49 50	exon9	353
disc02	f3/r3	TTATTCAATTGTGACTGCAGTTGC	CACCTGCTCTTTCACTGATGG	51 52	exon10	280
disc03	f1/r2	GGTATGATGAAACATCACTGAGTTC	CTAAGTCATCCATCTGCCTCTCATC	53 54	exon11	191
disc04/29	f1/r1	GAGCCTACAGCTCCAGGAAG	GAGCATGGTCCCAAAGCACC	55 56	exon11/11'	265
disc05	f2/r2	GAAGCTTCCCTTTGTGTTCTGTC	CGGCAGCATCTATTTGTTGCCATC	57 58	exon12	297
disc06	f1/r2	GCAGAGGGCCACGATCACC	CATCCCGTCACTCCTCAGGC	59 60	exon13	203
disc07	f1/r1	CATGACAGCTGGTGTCCACGAAG	CAAATCAGTCTCTCTCTCCATATTCC	61 62	exon13	242
disc08	f1/r1	CAGTGTGAAACTGAGGAGTCTGC	CGTGTAACAGGTATGATGACAGAGTC	63 64	exon13	296
disc09	f1/r1	CATTTGCCTTCTGCTGCAACG	CTTTCTTCAGATGCAATCATTGCCAC	65 66	exon13	299
disc10	f1/r1	CAACCTCCCAGTGATATGCCAC	CTGCCTTACTGAGCACTGCACTG	67 68	exon13	320
disc11	f2/r3	CAGTAACACAATACAGTACTCAGGC	CTGCACTGTGTTACTGAGCATTGC	69 70	exon13	292
disc12	f2/r1	CTCAGGCAGTGCAATACTCAGTG	ACTAGCTGCCCTGTGTTACTGAG	71 72	exon13	303
disc13	f1/r1	GTGTAGTGCTCAGTAGGACAGC	GTACTTGACCAGAGAGGGTACTC	73 74	exon13	297
disc14	f1/r2	CAAAGTGCACTGAGGAAGGTGG	GTGATGTAAATCAGAGTTTGGACTGG	75 76	exon13	311
disc15	f2/r3	CTCCTATTCATATCCCATAGATCTAG	CAGAAGTGCTGCACAGCATGG	77 78	exon13	335
disc16	f2/r2	CACTGGCGTTTCCAGAAGGCATC	CACTGGAATTAACTCAAGGATTCC	79 80	exon13	336
disc17	f2/r2	CATTTTCAATGATGAACCAAATTCCTG	GCAGCAGGGAAATGAACACACTATC	81 82	exon13	376
disc18	f2/r1	CTGCAAGTTAATAACTGCCTTGAATTG	CTGCTGTATAGTATGATTGAGGATAC	83 84	exon13	307
disc19	f2/r1	CAACCTTCTCAGGACAAGCCCAC	GTGACCATTTGAAAGCCAGCATTC	85 86	exon13	314
disc20	f1/r2	GTTAGAATCTGATTTGACTGGGATG	CTTGGGAGGCTGAGGCAGTAG	87 88	exon13	295
disc20	f2/r1	GCACATACTGGAAATGATGAGTTAG	ATGCCTGTAACCCCAGCTACTTG	89 90	exon13	334
disc21	f1/r2	CTCTACCTCCCAGGTTCAAGC	GGTACCAACCGTTACATGTTTCTGG	91 92	exon13	342
disc22	f2/r2	GCACCCGGCCAACTTTCTG	CTCTGACTGTTAGGTTCACTATTAC	93 94	exon13	306
disc23	f1/r1	CTAAGGCACAGAGCTGGTAAAATG	GATGATGGTGGGGTGAATAGG	95 96	exon13	292
disc25	f2/r2	AGCCTCACTGTGAAGTCTAGGC	CTATCATCCATACTTCAAAGGAC	97 98	exon13	403
disc26	f1/r1	CACTGCCTTCTGATTTTTAGCTG	GAGGACAAAACACGATGTGCTGG	99 100	exon8	240
disc27	f2/r2	CTCGCTGAGGAGAAGAAAGGAGC	GGCACGCCCTGACCTACGC	101 102	exon1	316
disc28	f2/r2	CTGTAGTGGTATTGAATTGTGGTTACC	CAGAAGCACTCTCTCCTGGCTC	103 104	exon7	287
disc30	f2/r1	GCCAATGCTGGAAAGGAAACAGC	TGCCAGCTCCTCCCGCTC	105 106	5'/promoter	168
disc31	f1/r1	CATCCCTCCATCTTCTCCATCAC	CACGCTGCTGGAGCGGGC	107 108	5'/promoter	207
disc32	f2/r2	GAGTCAGTTGCCTAGGAGCTTGC	GTGCAGGAAGCCTCCAGGATG	109 110	5'/promoter	279
disc33	f1/r2	CCTATCCCTGAACCATTGCAAGAG	CAGCAGCTCCGGGCTGGTTC	111 112	5'/promoter	300
disc34	f1/r2	CTGGGCCAGTAAGATCTGCATG	GAAACAGGGCTCCGGACCAAG	113 114	exon2	285
disc35	f1/r1	CCAGACAGTGTGGCCTTGACTC	GGCTGCAGCTGTTGCTACTCAAC	115 116	exon2	318
disc36	f1/r1	CTGCAGCGATGGAGCAAGGC	ACATCGCGGGTCCTCGTGAG	117 118	exon2	295
disc37	f1/r2	CAGAGAGGCTGAGTCCCATTG	GCACTGGCTCCCATTTCCTGAG	119 120	exon2	314
disc38	f1/r1	CCAGTTCTCTGGATCCCTCAC	GAGGAAGTCAGTTGAGCCCAGAAC	121 122	exon2	246
disc39	f2/r1	CAGTTTCTAAATGTTCTTAGTTTTCAC	GATGGAAAGAAAATTGGGACATGATGAC	123 124	exon3	215
disc40	f2/r1	GTTCACTACAACTGGAGCTAAGAG	CTATGTGGGAGCTGAGAGGTAGG	125 126	exon4	308
disc41	f1/r2	CATGAGGATTTCAGCTTCTGCATAC	GAGCTATGATTGCACCACTGCC	127 128	exon5	291
disc42	f2/r2	CGACCTGACCCCACTGGTG	GACTGCCCCACACCGTGAAG	129 130	exon6	300
disc43	f4/r2	GTTTGGTAGTTCTGGTGCATATGGC	GCATGGAAGGGAATCTGACC	131 132	exon6	327

FIGURE 4

ID	PAIR	FORWARD	REVERSE	SEQ ID NOS		LOCATION	SIZE
disc01	f2/r2	CATTAGCTGCTGCTAGATCTTCC	TAAGGCACAGAACATTCTGCCTG	50	51	exon9	353
disc02	f3/r3	TTATTCAATTGTGACTGCAGTTGC	CACCTGCTCTTTCACTGATGG	52	53	exon10	280
disc03	f1/r2	GGTATGATGAAACATCACTGAGTTC	CTAAGTCATCCATCTGCCTCTCATC	54	55	exon11	191
disc04/29	f1/r1	GAGCCTACAGCTCCAGGAAG	GAGCATGGTCCCAAAGCACC	56	57	exon11/11'	265
disc05	f2/r2	GAAGCTTCCCTTTGTGTTCTGTC	CGGCAGCATCTATTTGTTGCCATC	58	59	exon12	297
disc06	f1/r2	GCAGAGGGCCACGATCACC	CATCCCGTCACTCCTCAGGC	60	61	exon13	203
disc07	f1/r1	CATGACAGCTGGTGTCCACGAAG	CAAATCAGTCTCTCTCTCCATATTCC	62	63	exon13	242
disc08	f1/r1	CAGTGTGAAACTGAGGAGTCTGC	CGTGTAACAGGTATGATGACAGAGTC	64	65	exon13	296
disc09	f1/r1	CATTTGCCTTCTGCTGCAACG	CTTTCTTCAGATGCAATCATTGCCAC	66	67	exon13	299
disc10	f1/r1	CAACCTCCCAGTGATATGCCAC	CTGCCTTACTGAGCACTGCACTG	68	69	exon13	320
disc11	f2/r3	CAGTAACACAATACAGTACTCAGGC	CTGCACTGTGTTACTGAGCATTGC	70	71	exon13	292
disc12	f2/r1	CTCAGGCAGTGCAATACTCAGTG	ACTAGCTGCCCTGTGTTACTGAG	72	73	exon13	303
disc13	f1/r1	GTGTAGTGCTCAGTAGGACAGC	GTACTTGACCAGAGAGGGTACTC	74	75	exon13	297
disc14	f1/r2	CAAAGTGCACTGAGGAAGGTGG	GTGATGTAAATCAGAGTTTGGACTGG	76	77	exon13	311
disc15	f2/r3	CTCCTATTCATATCCCATAGATCTAG	CAGAAGTGCTGCACAGCATGG	78	79	exon13	335
disc16	f2/r2	CACTGGCGTTTCCAGAAGGCATC	CACTGGAATTAACTCAAGGATTCC	80	81	exon13	336
disc17	f2/r2	CATTTTCAATGATGAACCAAATTCCTG	GCAGCAGGGAAATGAACACACTATC	82	83	exon13	376
disc18	f2/r1	CTGCAAGTTAATAACTGCCTTGAATTG	CTGCTGTATAGTATGATTGAGGATAC	84	85	exon13	307
disc19	f2/r1	CAACCTTCTCAGGACAAGCCCAC	GTGACCATTTGAAAGCCAGCATTC	86	87	exon13	314
disc20	f1/r2	GTTAGAATCTGATTTGACTGGGATG	CTTGGGAGGCTGAGGCAGTAG	88	89	exon13	295
disc20	f2/r1	GCACATACTGGAAATGATGAGTTAG	ATGCCTGTAACCCCAGCTACTTG	90	91	exon13	334
disc21	f1/r2	CTCTACCTCCCAGGTTCAAGC	GGTACCAACCGTTACATGTTTCTGG	92	93	exon13	342
disc22	f2/r2	GCACCCGGCCAACTTTCTG	CTCTGACTGTTAGGTTCACTATTAC	94	95	exon13	306
disc23	f1/r1	CTAAGGCACAGAGCTGGTAAAATG	GATGATGGTGGGGTGAATAGG	96	97	exon13	292
disc25	f2/r2	AGCCTCACTGTGAAGTCTAGGC	CTATCATCCATACTTCAAAGGAC	98	99	exon13	403
disc26	f1/r1	CACTGCCTTCTGATTTTTAGCTG	GAGGACAAAACACGATGTGCTGG	100	101	exon8	240
disc27	f2/r2	CTCGCTGAGGAGAAGAAAGGAGC	GGCACGCCCTGACCTACGC	102	103	exon1	316
disc28	f2/r2	CTGTAGTGGTATTGAATTGTGGTTACC	CAGAAGCACTCTCTCCTGGCTC	104	105	exon7	287
disc30	f2/r1	GCCAATGCTGGAAAGGAAACAGC	TGCCAGCTCCTCCCGCTC	106	107	5'/promoter	168
disc31	f1/r1	CATCCCTCCATCTTCTCCATCAC	CACGCTGCTGGAGCGGGC	108	109	5'/promoter	207
disc32	f2/r2	GAGTCAGTTGCCTAGGAGCTTGC	GTGCAGGAAGCCTCCAGGATG	110	111	5'/promoter	279
disc33	f1/r2	CCTATCCCTGAACCATTGCAAGAG	CAGCAGCTCCGGGCTGGTTC	112	113	5'/promoter	300
disc34	f1/r2	CTGGGCCAGTAAGATCTGCATG	GAAACAGGGCTCCGGACCAAG	114	115	exon2	285
disc35	f1/r1	CCAGACAGTGTGGCCTTGACTC	GGCTGCAGCTGTTGCTACTCAAC	116	117	exon2	318
disc36	f1/r1	CTGCAGCGATGGAGCAAGGC	ACATCGCGGGTCCTCGTGAG	118	119	exon2	295
disc37	f1/r2	CAGAGAGGCTGAGTCCCATTG	GCACTGGCTCCCATTTCCTGAG	120	121	exon2	314
disc38	f1/r1	CCAGTTCTCTGGATCCCTCAC	GAGGAAGTCAGTTGAGCCCAGAAC	122	123	exon2	246
disc39	f2/r1	CAGTTTCTAAATGTTCTTAGTTTTCAC	GATGGAAAGAAAATTGGGACATGATGAC	124	125	exon3	215
disc40	f2/r1	GTTCACTACAACTGGAGCTAAGAG	CTATGTGGGAGCTGAGAGGTAGG	126	127	exon4	308
disc41	f1/r2	CATGAGGATTTCAGCTTCTGCATAC	GAGCTATGATTGCACCACTGCC	128	129	exon5	291
disc42	f2/r2	CGACCTGACCCCACTGGTG	GACTGCCCCACACCGTGAAG	130	131	exon6	300
disc43	f4/r2	GTTTGGTAGTTCTGGTGCATATGGC	GCATGGAAGGGAATCTGACC	132	133	exon6	327

FIGURE 4